

Number 1 1988

- C. L. Villanoy, A. R. Juinic, L. A. Meñez
Fishing mortality rates of giant clams (Family Tridacnidae) from the Sulu Archipelago and Southern Palawan, Philippines 1
- P. J. Edmunds, P. Spencer Davies
Post-illumination stimulation of respiration rate in the coral *Porites porites* 7
- W. J. Nash, M. Goddard, J. S. Lucas
Population genetic studies of the crown-of-thorns starfish, *Acanthaster planci* (L.), in the Great Barrier Reef region 11
- F. J. Sansone, C. C. Andrews, R. W. Buddemeier, G. W. Tribble
Well-point sampling of reef interstitial water 19
- D. R. Bellwood, A. C. Alcala
The effect of a minimum length specification on visual estimates of density and biomass of coral reef fishes 23
- F. P. Wilkerson, D. Kobayashi, L. Muscatine
Mitotic index and size of symbiotic algae in Caribbean Reef corals 29
- A. B. Foster, K. G. Johnson, L. L. Schultz
Allometric shape change and heterochrony in the free-living coral *Trachyphyllia bilobata* (Duncan) 37
- W. F. Hoppe
Reproductive patterns in three species of large coral reef sponges 45
- R. W. Buddemeier, S. V. Smith
Coral reef growth in an era of rapidly rising sea level: predictions and suggestions for long-term research 51

Number 2 1988

- P. A. Pirazzoli, L. F. Montaggioni, B. Salvat, G. Faure
Late Holocene sea level indicators from twelve atolls in the central and eastern Tuamotus (Pacific Ocean) 57
- P. Chardy, C. Chevillon, J. Clavier
Major benthic communities of the south-west lagoon of New Caledonia 69
- S. G. Oakley
Settlement and growth of *Antipathes pennacea* on a shipwreck 77
- M. D. A. Le Tissier
Diurnal patterns of skeleton formation in *Pocillopora damicornis* (Linnaeus) 81
- M. W. Westneat, J. M. Resing
Predation on coral spawn by planktivorous fish 89
- J. A. Kilar, J. N. Norris
Composition, export, and import of drift vegetation on a tropical, plant-dominated, fringing-reef platform (Caribbean Panama) 93

Number 3 1988

- C. R. Pitcher
Validation of a technique for reconstructing daily patterns in the recruitment of coral reef damselfish 105
- O. Hoegh-Guldberg
A method for determining the surface area of corals 113
- P. F. Sale, D. J. Ferrell
Early survivorship of juvenile coral reef fishes 117
- P. J. Moran, R. H. Bradbury, R. E. Reichelt
Distribution of recent outbreaks of the crown-of-thorns starfish (*Acanthaster planci*) along the Great Barrier Reef: 1985-1986 125
- D. A. Brazeau, H. R. Lasker
Inter- and intraspecific variation in gorgonian colony morphology: quantifying branching patterns in arborescent animals 139
- P. J. B. Scott, M. J. Risk
The effect of *Lithophaga* (Bivalvia: Mytilidae) boreholes on the strength of the coral *Porites lobata* 145

Number 4 1989

- E. A. Matson
Biogeochemistry of Mariana Islands coastal sediments: terrestrial influence on $\delta^{13}\text{C}$, Ash, CaCO_3 , Al, Fe, Si and P 153
- J. B. Lewis
Spherical growth in the Caribbean coral *Siderastrea radians* (Pallas) and its survival in disturbed habitats 161
- T. P. Scoffin, A. W. Tudhope, B. E. Brown
Fluorescent and skeletal density banding in *Porites lutea* from Papua New Guinea and Indonesia 169
- C. Schiller, G. J. Herndl
Evidence of enhanced microbial activity in the interstitial space of branched corals: possible implications for coral metabolism 179
- S. Matsuda
Succession and growth rates of encrusting crustose coralline algae (Rhodophyta, Cryptonemiales) in the upper fore-reef environment off Ishigaki Island, Ryukyu Islands 185